



US00D433894S

United States Patent [19]
Mathis

[11] **Patent Number: Des. 433,894**

[45] **Date of Patent: ** Nov. 21, 2000**

[54] **RATCHET TAP WRENCH**

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[57] **CLAIM**

[**] Term: **14 Years**

The ornamental design for a ratchet tap wrench, as shown and described.

[21] Appl. No.: **29/097,905**

DESCRIPTION

[22] Filed: **Dec. 17, 1998**

FIG. 1 is a disassembled front elevational view of the ratchet tap wrench of the present invention;

[51] **LOC (7) Cl.** **08-05**

FIG. 2 is a disassembled rear elevational view of the ratchet tap wrench of FIG. 1;

[52] **U.S. Cl.** **D8/25**

FIG. 3 is a disassembled left side elevational view of the ratchet tap wrench of FIG. 1;

[58] **Field of Search** D8/21–29; 81/60–63,
81/63.1, 63.2, 124.2, 124.7, 177.1, 177.2,
177.75, 177.5, 177.6, 177.85, 177.7; 408/120,
123, 239 R

FIG. 4 is a disassembled right side elevational view of the ratchet tap wrench of FIG. 1;

[56] **References Cited**

FIG. 5 is a disassembled top plan view of the ratchet tap wrench of FIG. 1;

U.S. PATENT DOCUMENTS

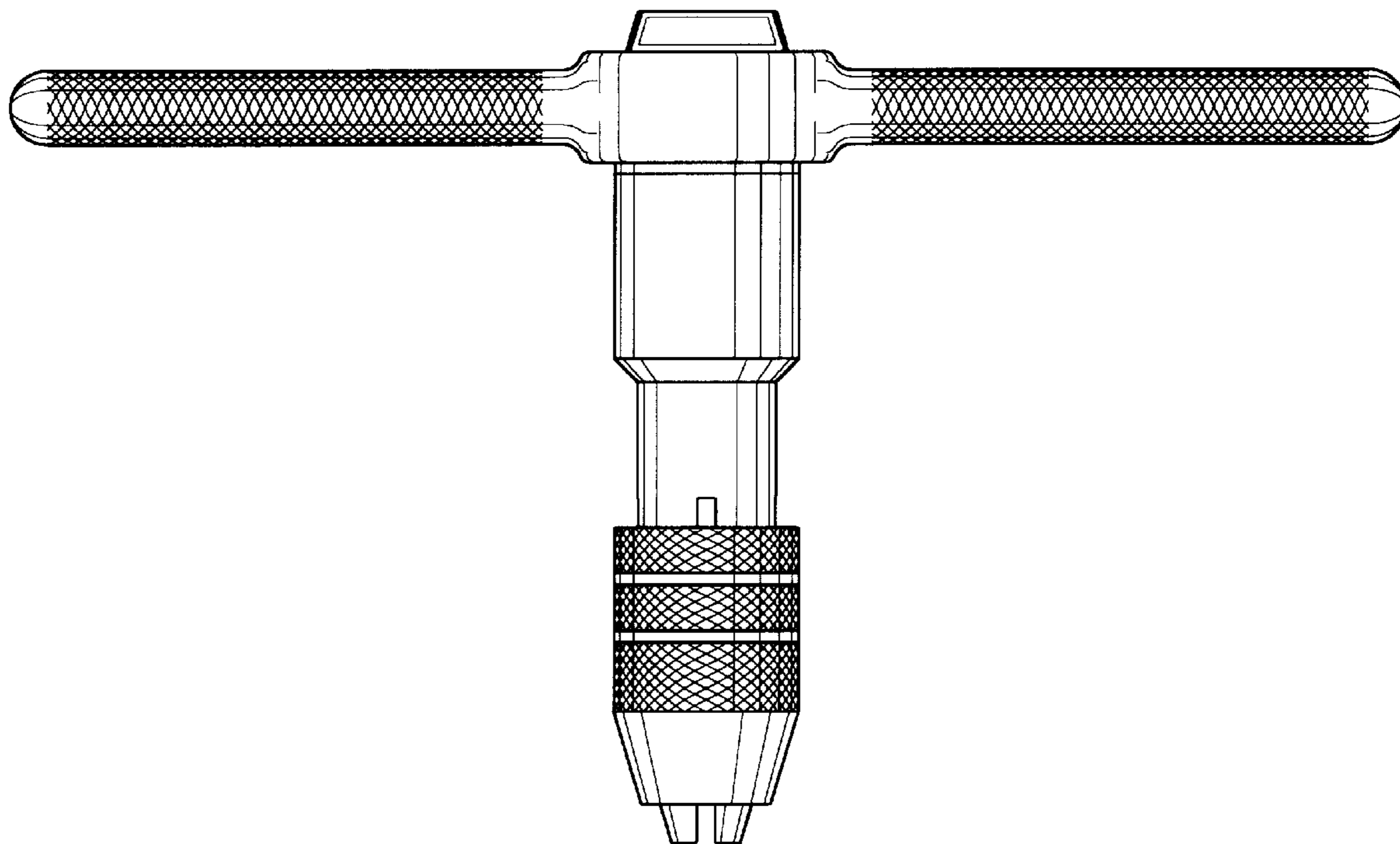
FIG. 6 is a disassembled bottom plan view of the ratchet tap wrench of FIG. 1; and,

D. 349,024	7/1994	Doffe	D8/14
3,738,768	6/1973	Kuhn	81/177.6 X
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FIG. 7 is an assembled front elevational view of the ratchet tap wrench of FIG. 1.

The ratchet tap wrench is shown disassembled in FIGS. 1–6 for clarity of illustration.

1 Claim, 4 Drawing Sheets



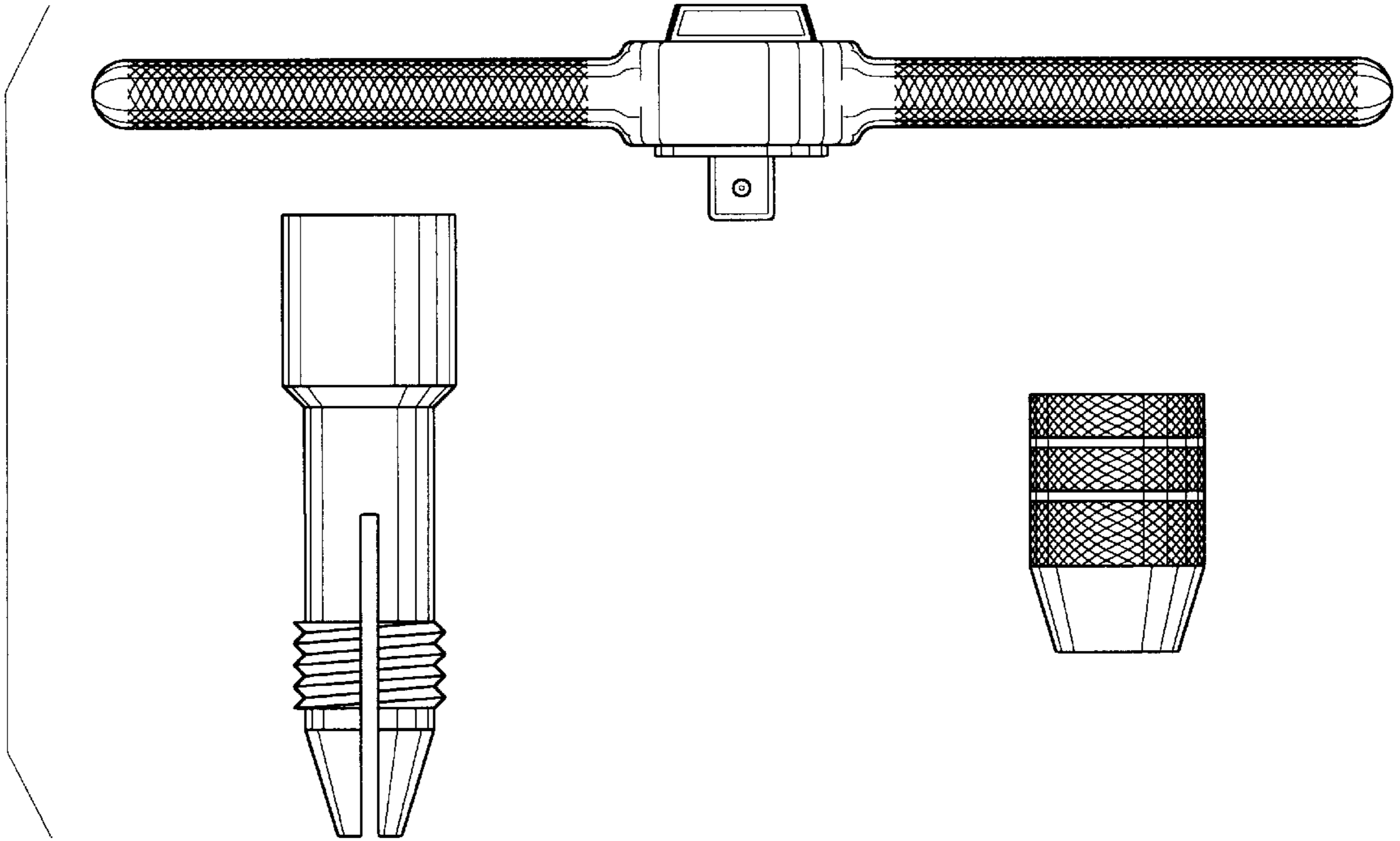


Fig. 1

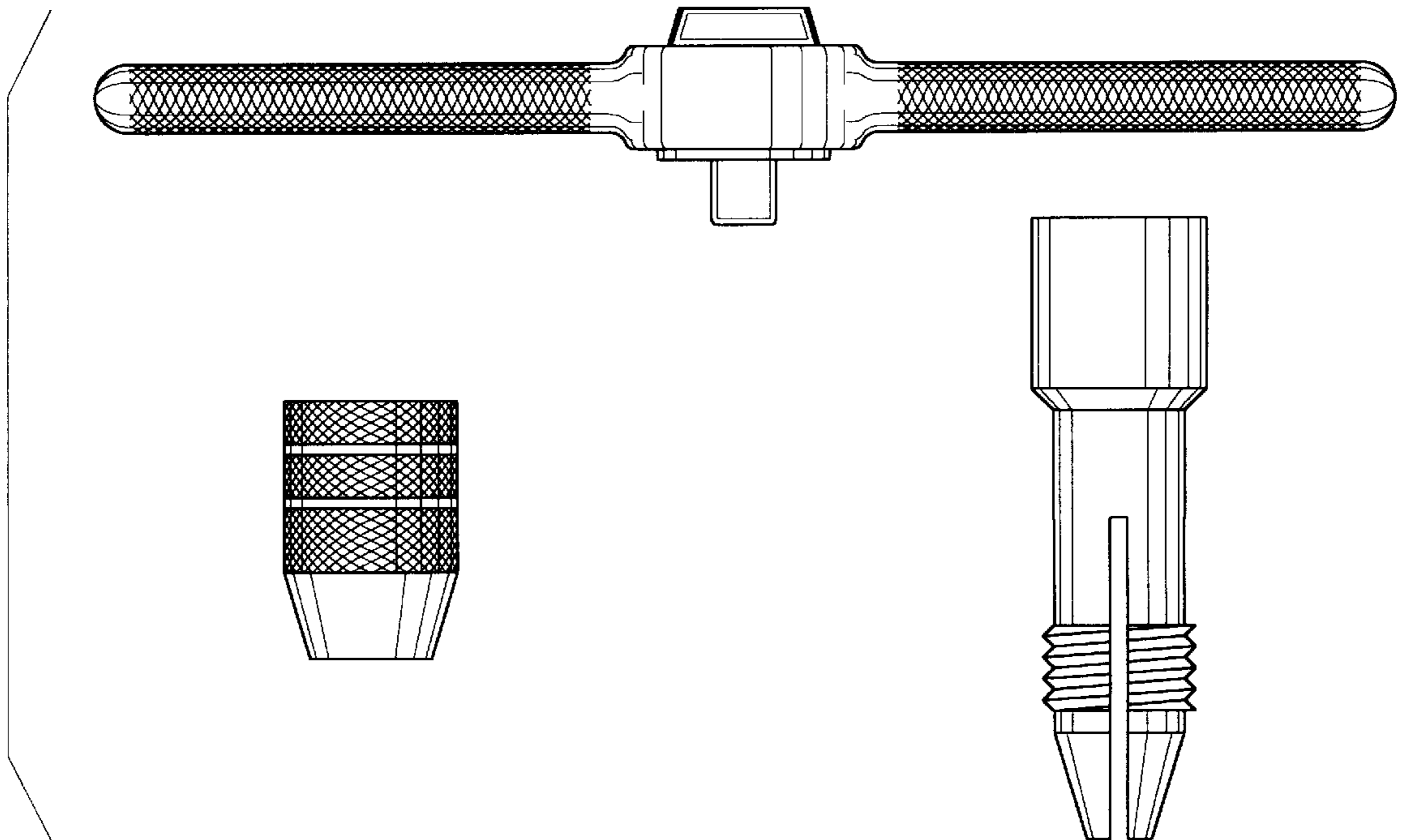


Fig. 2

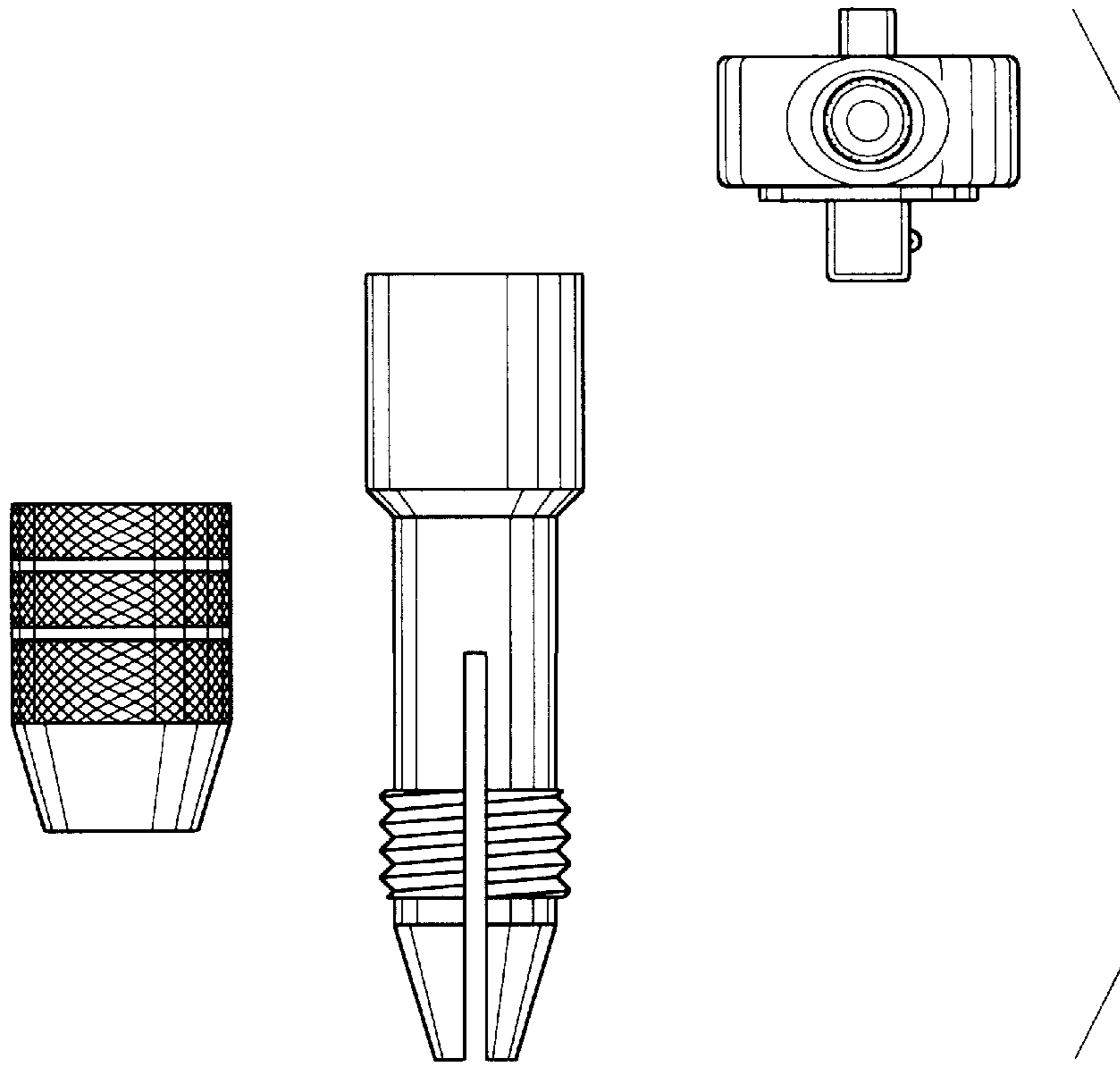


Fig. 3

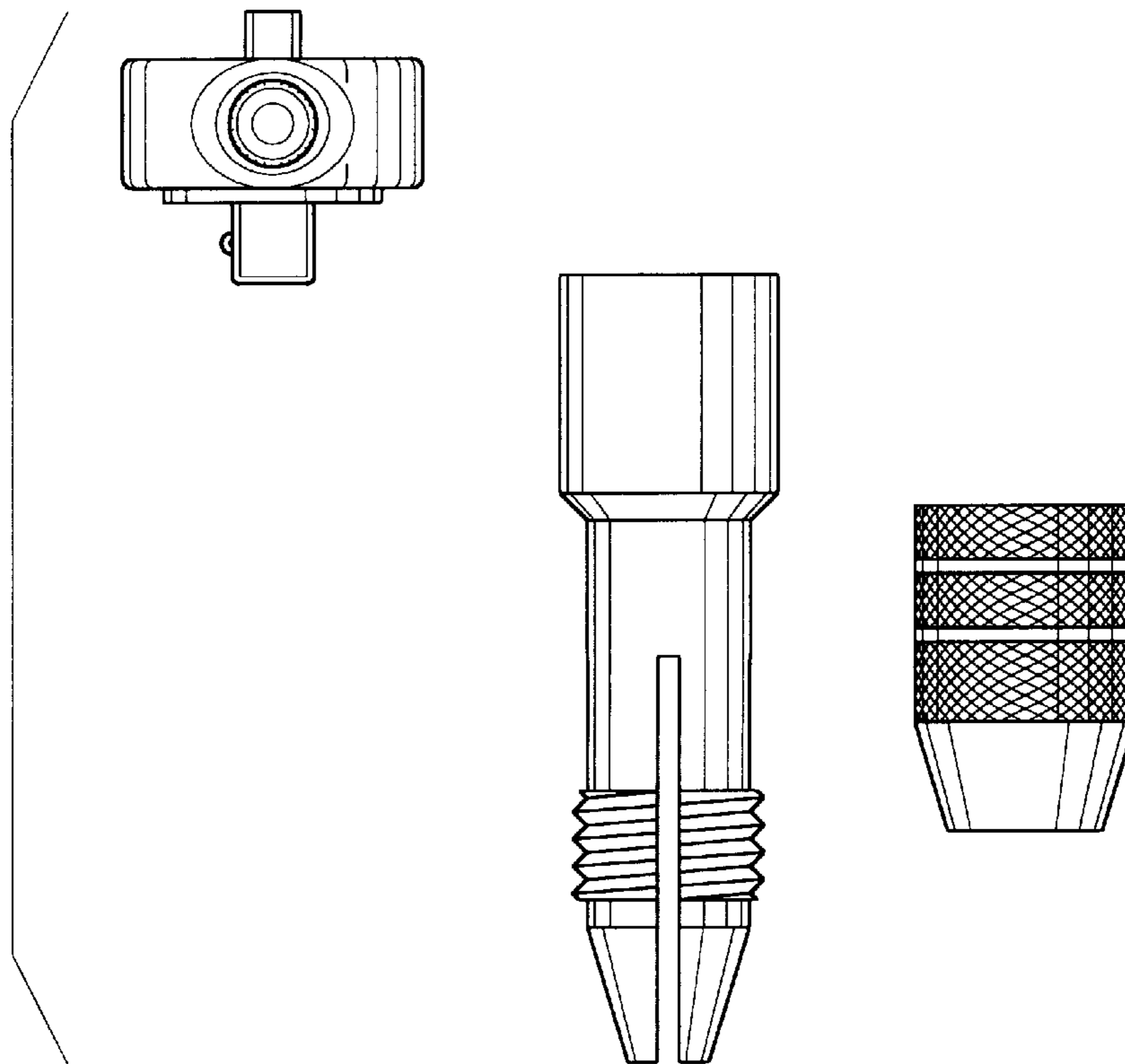


Fig. 4

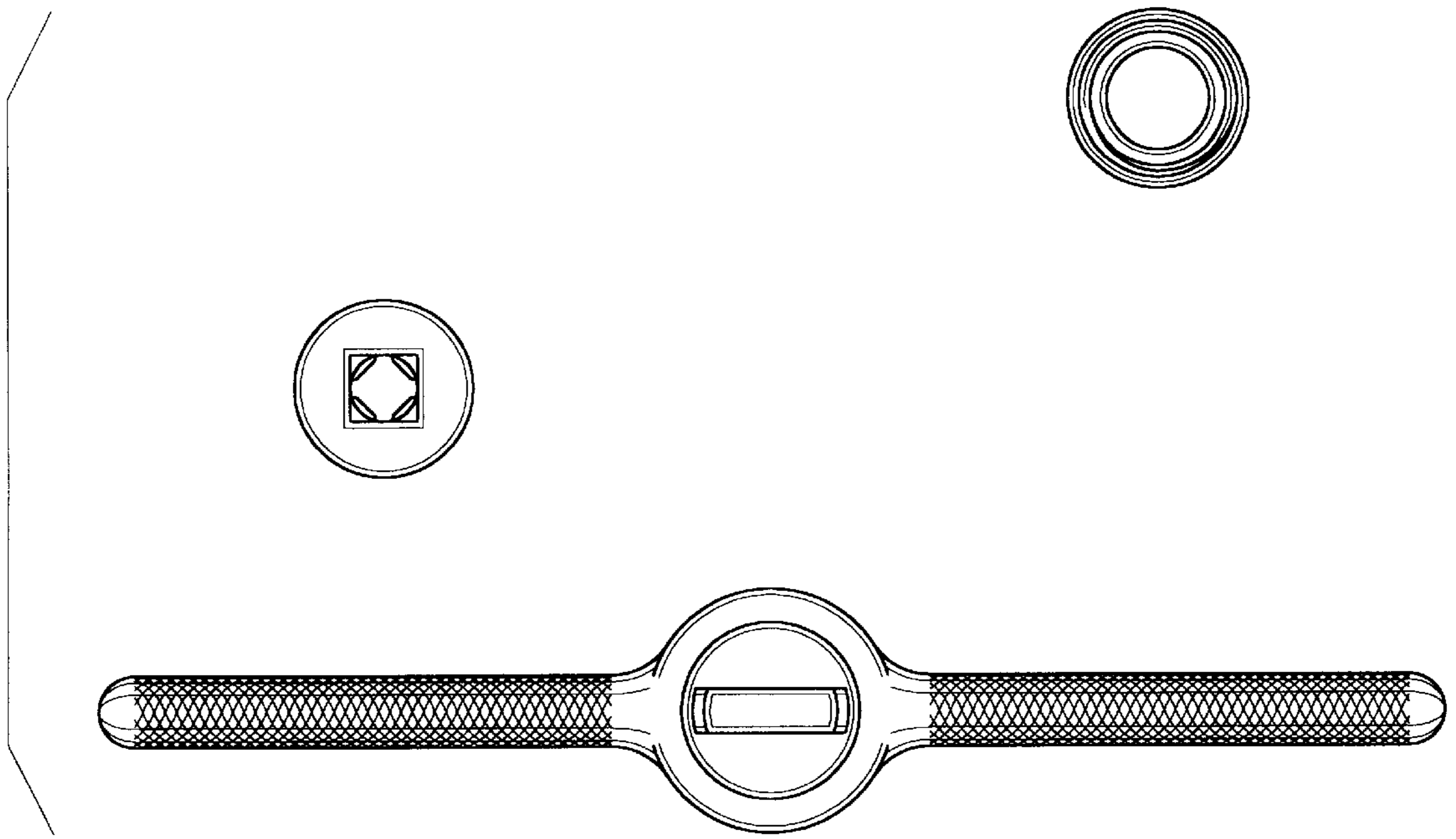


Fig. 5

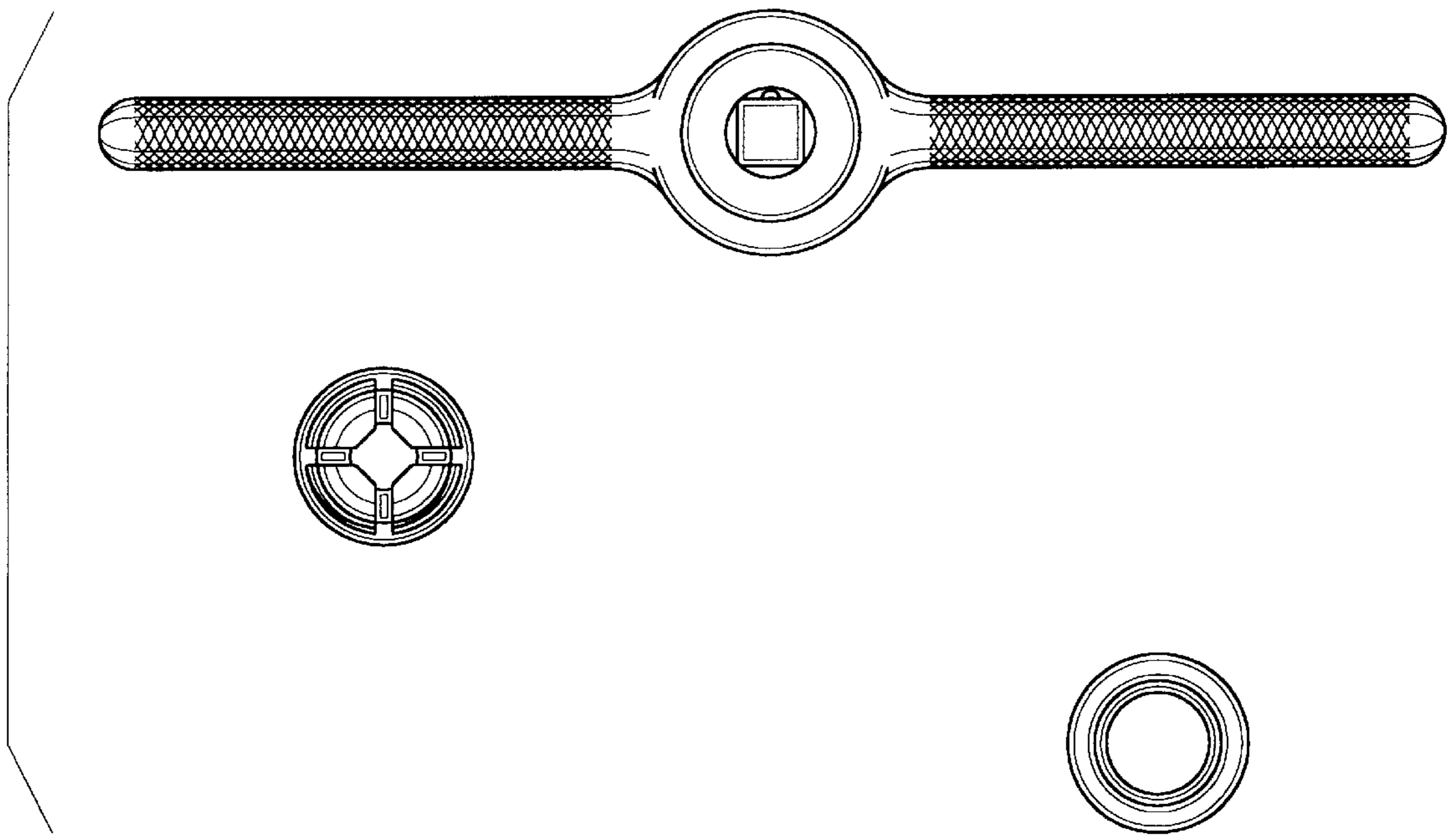


Fig. 6

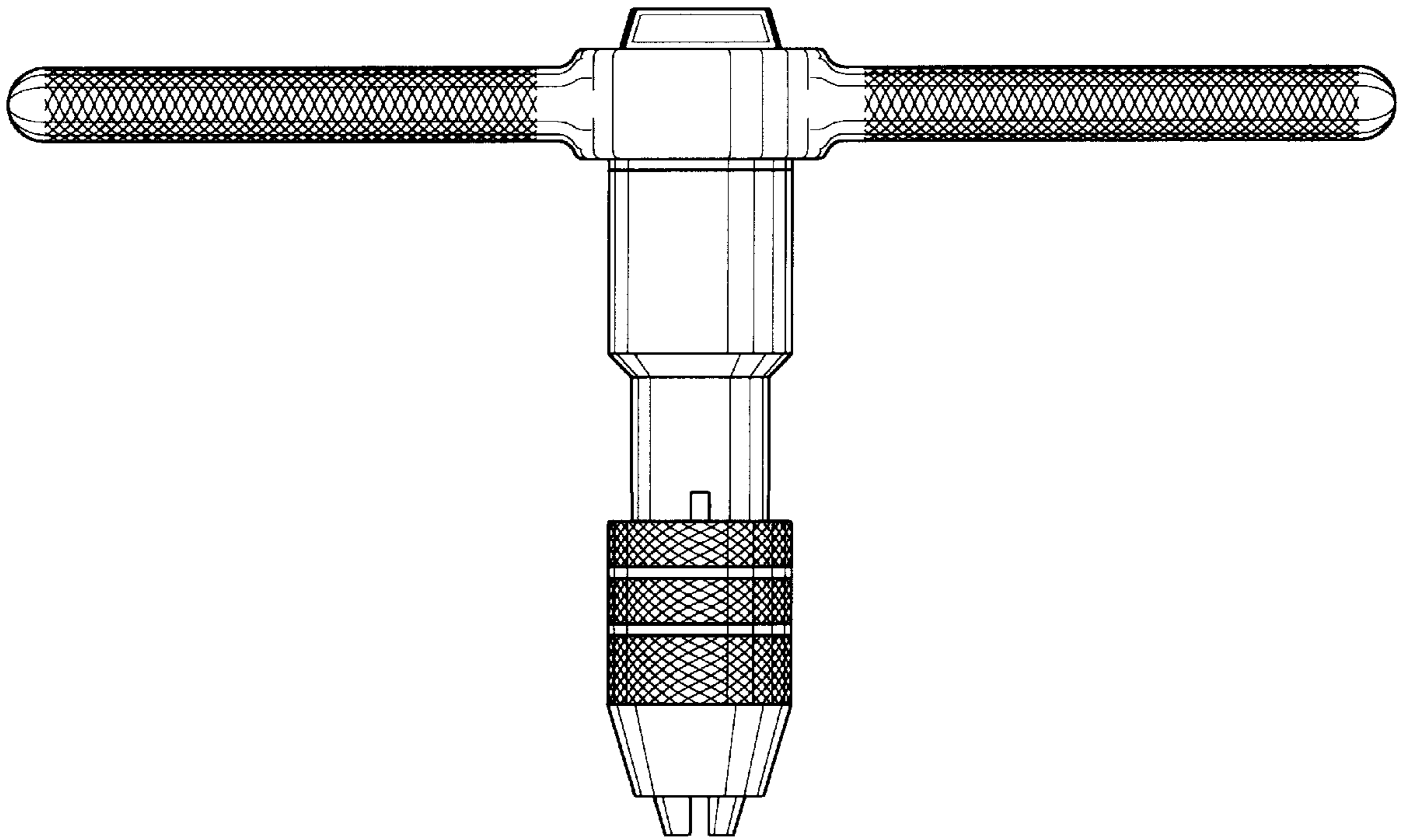


Fig. 7